ODOT PRODUCTS CATALOGUE

FOR MULTIPLE &FLEXIBLE APPLICATION

Sichuan Odot Automation System Co., Ltd.

Table of Contents ⋮

About Us

Founded in 2003, ODOT Automation brings over 22 years of expertise in automation control and industrial communication. As a national high-tech enterprise, we focus on R&D, system integration, and technical services. ODOT is ISO9001 certified and a member of PI China, EtherCAT, CC-Link, OPC, and other key alliances.

We offer IO modules, PLCs, protocol converters, industrial switches, gateways, and customized solutions.

ODOT enables smart factory data collection and seamless communication with MES, ERP, and SCADA systems, supporting real-time production monitoring and smart manufacturing.

Our solutions serve industries like automotive, new energy, textiles, food & beverage, water treatment, and power management.

With 100+ distributors worldwide and regular presence at global exhibitions, we deliver value-added, innovative, and cost-effective services tailored to customer needs.

Web-Server Open PLC: D-Series

▶ Profinet master available
▶ Software-Hardware decoupling
▶ Commercialized IEC61499 & Profinet solution

▶ Supports web programming
▶ Reliable, compact, and easily expandable

The D-Series PLCs support configuring AIOSYS programming via a web interface, with all PLCs usable as function blocks

AIOSYS: A next-generation open digital software platform, IEC 61499 controller software solution based on the NXP i.MX9 series

DU03L

A controller compliant with the IEC 61499 standard and supporting Profinet master functionality

◆ IEC 61499 Standard: Features distributed design, hardware/software decoupling, and object-oriented architecture

◆Supports up to 32 expansion modules (D-Series Remote IO)

◆Programming software available for free, Supporting programming languages：ST/LD/C

◆RAM: 1G, ROM: 1G

◆Equipped with a battery function, it ensures that user programs stored in ROM are retained even when the external power supply is disconnected
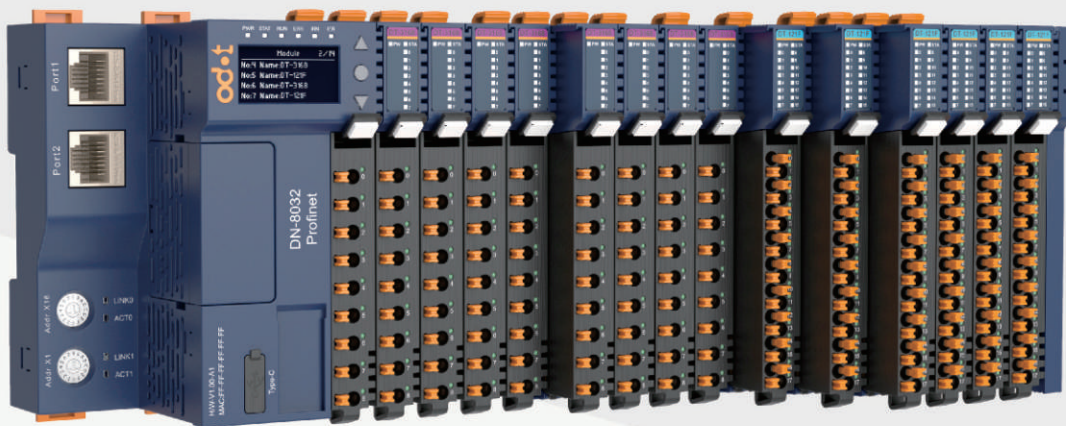
DL01

A controller compliant with the IEC 61131-3 standard and supporting Modbus-TCP

◆ Simultaneously supports ModbusTCP Server and ModbusTCP Client, as well as ModbusRTU master or slave

◆Modular CPU+IO design: reliable, compact, and easy to plug and unplug, with support for up to 32 expansion modules (D-Series Remote IO)

◆Comes with IEC 61131-3 compliant programming software, supporting 5 programming languages：LD/IL/FBD/SFC/ST

◆RAM: 32Mbyte, ROM: 4Mbyte

Removable High-Speed I/O: D-Series

An Innovative Upgrade of C-Series Remote I/O

◆Removeable terminals · Easier Installation:

(1) Staggered spring-loaded guided terminals

(2) Removeable terminals for easy module maintenance and replacement

◆Redundant Backplane · Enhanced Reliability:

(1) Backplane bus supports redundancy

(2) Supports up to 32 I/O modules

(3) Full load refresh cycle of 0.6 ms

◆Status Visibility · Precise Location:

(1) Each module features independent diagnostic functionality

(2) Capable of diagnosing module operating status and terminal status

◆Versatile Applications · Ready for Any Challenge:

Operating temperature range of -30 to 70°C, Suitable for various industrial environments

Network Adapter			
DN-8031	Modbus TCP Network Adapter	DN-8033	EtherCAT Network Adapter
DN-8032	Profinet Network Adapter	DN-8034	EtherNet/IP Network Adapter
Remote I/O Module			
DT-1218	8DI, PNP/High level active, 24VDC, supports count function	DT-3434	4AI, 0-20mA/4-20mA, 16-bit (including sign bit), channel isolation
DT-121F	16DI, PNP/High level active, 24VDC, supports count function	DT-3364	4AI, 0-5VDC/0-10VDC/±5VDC/±10VDC, 16-bit (including sign bit), channel isolation
DT-122F	16DI, NPN/Low level active, 24VDC, supports count function,		
DT-125F	16DI, PNP/High level active, 24VDC, supports count function, independent power supply	DT-3714	4AI, RTD-PT100, accuracy<1℃(@25℃), supports 2-wire and 3-wire sensors
DT-126F	16DI, NPN/Low level active, 24VDC, supports count function, independent power supply	DT-3804	4AI, TC-J / K/ E / T / S / R / B / N, accuracy: ±0.3%（@25℃）, ±0.5%（@-35℃~70℃）, filter adjustable
DT-221F	16DO, NPN/Low level active, 24VDC@0.5A	DT-4234	4AO, 0-20mA/4-20mA, 16-bit single-ended
DT-2228	8DO, PNP/High level active, 24VDC@0.5A	DT-4238	8AO, 0-20mA/4-20mA, 16-bit single-ended
DT-222F	16DO, PNP/High level active, 24VDC@0.5A	DT-4164	4AO, 0-5VDC/0-10VDC/±5VDC/±10VDC, 16-bit (including sign bit)
DT-225F	16DO, NPN/Low level active, 24VDC@0.5A, independent power supply	DT-4168	8AO, 0-5VDC/0-10VDC/±5VDC/±10VDC, 16-bit (including sign bit)
DT-226F	16DO, PNP/High level active, 24VDC@0.5A, independent power supply	DT-5122	2 Encoder SSI input, 5V differential, input frequency≤2MHZ
DT-2794	4-channel relay output, resistive load 2A@250VAC, inductive load 1A@250VAC, channel isolation	DT-5800	End card-mandatory module, slot occupation, with diagnostics
		DT-623F	8DI, PNP/High level active or NPN/Low level active + 8DO, PNP/High level active, 24VDC@0.5A
DT-3168	8AI, 0-5VDC/0-10VDC/±5VDC/±10VDC, 16-bit (including sign bit)	DT-7221	Field power 8A and system power 2A expansion module (requires configuration)
DT-3238	8AI, 0-20mA/4-20mA, 16-bit (including sign bit)		

Cost-Effective Box PLC: B-Series

A PLC built based on the structure of the BOXIO

Integrated design; Supports 5 programming languages; 32/64 points selectable; Supports Modbus TCP communication;Expansion IO module for B-Series PLC supports B-Series IO, 2/4 expansion IO cards

B554H

B-Series Economical PLC-In Comply with IEC 61499

◆ ODOT Tailored Services: Provides users with a more open & flexible development environment, with more freedom for customization and expansion

◆Communication Protocol: Supports multiple industrial communication protocols such as Modbus, OPC UA, etc. Meets the connection requirements of different devices

◆Network Protocol: Supports multiple network protocols such as HTTP, WEBSOCKET, MQTT, TCP/UDP, etc. Achieves flexible communication

◆Programming Language: Programmed in ST language and will support other languages in the future

B2141/B2341

B-Series Economical PLC-In Comply with IEC 61131-3

◆Integrated Design, Originality Unlimited:

(1) CIACON(PLC programming software developed by ODOT) and CODESYS programming environment

(2) Supports 5 programming language: LD, IL, ST, CFC/FBD, SFC

◆Small Data Point, Rich Versatility:

(1) 32/64 I/O points optional

(2) Designed for precisely cost down of small automation machinery

◆Remote Deployment, Fast Response:

(1) Distributed field deployment, to implement edge control

(2) High speed backplane bus

◆Easy to Program, Easy to Communicate, Easy to Master:

(1) IEC61131-3 programming language

(2) Supports Modbus-TCP client and server

(3) Self-developed core solution

Modular DIY I/O: B-Series

◆BOXIO-32 carries 1 COMM board and 2 IO slots

BOXIO-64 carries 1 COMM board and 4 IO slots

◆The COMM protocols with Modbus-TCP, PROFINET, EtherCAT,CANopen, EtherNet/IP are optional

◆Slots 1/2/3/4 can be independently selected according to customer IO requirements, and a single module supports up to 16 channels

◆With LCD display, Easy view information COMM parameters, IO channel status, module version

◆ABS resin shell, small size, easy to install

◆Support D.I.Y.

COMM board

BN-8011	Modbus-RTU slave,1RS485, the max sum of input & output 8192 bytes	BN-8032	Profinet slave, 2xRJ45, 10/100Mbps,max input 1440 bytes,max output 1440 bytes
BN-8021	CANopen slave, max input 328 bytes, max output 254 bytes	BN-8032-L	Profinet slave, 2xRJ45, 10/100Mbps,max input 1440 bytes,max output 1440 bytes
BN-8031	Modbus-TCP server, 2xRJ45, 10/100Mbps, the max sum of input & output 8192 bytes		
BN-8031-6V	Modbus-TCP server, 2xRJ45, 10/100Mbps, the max sum of input & output 8192 bytes,8DI&8DO	BN-8033	EtherCAT slave, 2xRJ45, 10/100Mbps, max input 341 bytes,max output 256 bytes
BN-8031-68S	Modbus-TCP server , 4DI&4DO, and 1 RS485 interface, supporting Modbus RTU master functionality	BN-8034	EtherNET/IP slave, 2xRJ45, 10/100Mbps, max input 504 bytes,max output 504 bytes

I/O Card

BT-124F	16DI, PNP or NPN/high or low level active, 24VDC, counter frequency<200Hz	BT-4234	4AO, 0-20mA/4-20 mA, 15/16 bits
BT-221F	16DO, NPN/ low level active, 24VDC@0.3A	BT-5102	2-channel encoder input, 5V single-ended, input frequency < 1.5 MHz
BT-222F	16DO, PNP/ high level active, 24VDC@0.5A	BT-5112	2-channel encoder input, 24V single-ended, input frequency < 0.5 MHz
BT-3158	8AI, 0-5VDC/0-10VDC/±5VDC/±10VDC,12 bits		
BT-3168	8AI, 0-5VDC/0-10VDC/±5VDC/±10VDC,15/16 bits	BT-5121	1-channel SSI encoder input, 5V differential, input frequency < 2 MHz
BT-3238	8AI, 0-20mA/4-20mA, 15 bits	BT-5141	1-channel SSI encoder input, 5V differential, input frequency < 2 MHz
BT-3244	4AI, 0-20mA/4-20mA/±20mA, 15 bits,		
BT-4154	4AO, 0-5VDC/0-10VDC/±5VDC/±10VDC, 15/16 bits	BT-623F	8DI, PNP or NPN/high or low level active, 24VDC, and 8DO, PNP/high level active, 24VDC@0.5A

Entry-Level PLC: C-Series

Supports 5 programming languages; 4MB program storage space; Supports multiple industrial communication protocols; Up to 32 I/O module expansion; Wide temperature design

C3151

A controller supporting Modbus RTU/TCP, Programming environment: CIACON（PLC programming software developed by ODOT）, with a maximum capacity of 32 expansion modules
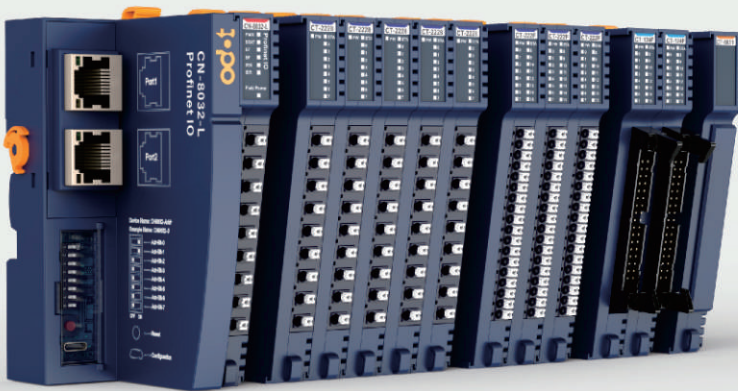
C3351

A controller supporting Modbus RTU/TCP, Programming environment: CODESYS, with a maximum capacity of 32 expansion modules

Push-In Remote I/O: C-Series

C series – the remote IO system consists of network adapter module and extended IO module. The network adapter module is responsible for fieldbus communication, and it could realize the communication with the master controller or host computer software

NETWORK ADAPTER

IO MODULE

◆The product carries ultra-thin design for space saving

◆Spring terminal design for convenient and fast wiring

◆Industrial light guided terminal

◆High-speed 12M CANBUS backplane carrying 32 modules of a refreshing period at 2ms

◆The IO system could carry max.of 32 pcs of IO modules

Network Adapter

CN-8011	Modbus-RTU Bus Adapter	CN-8032	Profinet Network Adapter
CN-8012	Profibus-DP Bus Adapter	CN-8032-L	Profinet Network Adapter
CN-8013	CC-Link Bus Adapter	CN-8033	EtherCAT Network Adapter
CN-8021	CANopen Bus Adapter	CN-8034	EtherNET/IP Network Adapter
CN-8022	DeviceNet Bus Adapter	CN-8037	CC-Link IEFB Network Adapter
CN-8031	Modbus TCP Network Adapter		

Remote I/O Module

CT-1218	8DI, PNP/high level active, 24VDC, counter frequency<200Hz	CT-3716	6-channel RTD (Resistance Temperature Detector) input, RTD-PT100
CT-121F	16DI, PNP/high level active, 24VDC, counter frequency<200Hz	CT-3726	6-channel RTD (Resistance Temperature Detector) input, RTD-PT-1000
CT-1228	8DI, NPN/low level active, 24VDC, counter frequency<200Hz	CT-3734	4 AI(RTD-PT100) with channel isolation, Input accuracy : 0.5℃
CT-122F	16DI, NPN/low level active, 24VDC, counter frequency<200Hz	CT-3744	4 AI(RTD-PT1000),Input Accuracy: 0.5℃ , channel isolation
CT-124H◆	32DI, PNP or NPN/high or low level active, 24VDC, counter frequency<200Hz, 34Pin male connector	CT-3844	4 AI Thermocouple(TC-J/K/E/T/S/R/B/N)types, filter parameters can adjustable
CT-124D	32DI, PNP or NPN/high or low level active, 24VDC, counter frequency<200Hz	CT-3848	8 AI Thermocouple(TC-J/K/E/T/S/R/B/N)types
CT-125F	16DI, PNP/high level active, 24VDC, counter frequency<200Hz, independent power supply	CT-4154	4 AO Voltage Output,0~5VDC,-5~5VDC,0~10VDC,-10~10VDC,16 bits
CT-126F	16DI, NPN/low level active, 24VDC, counter frequency<200Hz, independent power supply	CT-4158	8 AO Voltage Output,0~5VDC,-5~5VDC,0~10VDC,-10~10VDC,16 bits
CT-1314	4DI, 220VAC input, counter frequency<10Hz	CT-4234	4AO, Current output, 0~20mA,4~20mA,16 bits single-end
CT-2224	4DO, PNP/high level active, 24VDC@2.2A, independent power supply	CT-4238	8AO, Current output, 0~20mA,4~20mA,16 bits single-end
CT-2218	8DO, NPN/low level active, 24VDC@0.5A	CT-5000	Dummy module , no wiring and no channels
CT-2228	8DO, PNP/high level active, 24VDC@0.5A	CT-5102	2-channel encoder input, 5V single-ended, input frequency < 1.5 MHz
CT-222F	16DO, PNP/high level active, 24VDC@0.5A	CT-5112	2-channel encoder input, 24V single-ended, input frequency < 0.5 MHz
CT-222F-NP	16DO, PNP/high level active, 24VDC@0.5A, independent power supply	CT-5122	2-channel SSI encoder input, 5V differential, input frequency < 2 MHz
CT-222H◆	32DO, PNP/high level active, 24VDC@0.3A, 34Pin male connector	CT-5142	2-channel differential encoder input, 5V differential, input frequency < 10 MHz
CT-222D	32DO, PNP/high level active, 24VDC@0.5A, independent power supply	CT-5212	8DI, PNP/high level active, and 2DO, PNP/high level active, 24VDC@0.5A, and 2-channnel pulse output (pulse and direction /double pulse)
CT-221F	16DO, NPN/low level active, 24VDC@0.5A	CT-5244	4DI, PNP or NPN/high or low level active, and 4DO, PNP/high level active, 24VDC@0.5A, and 4-channnel PWM output, 24VDC@1A, independent power supply
CT-221H	32DO, NPN/low level active, 24VDC@0.3A, 34Pin male connector	CT-5321	Modbus serial port
CT-221D	32DO, NPN/low level active, 24VDC@0.25A, independent power supply	CT-5331	CANOPEN Master
CT-2244	4-channel digital output, 0.5A/PNP/24V active, NPN/0V active	CT-5341	Profibus-DP master
CT-225F	16DO, NPN/low level active, 24VDC@0.5A, independent power supply	CT-5711	Fieldbus Extended Master Module
CT-226F	16DO, PNP/high level active, 24VDC@0.5A, independent power supply	CT-5721	Fieldbus Extended Slave Module
CT-2738	8DO, relay output, 24VDC@1A, with contact protection, channel isolation	CT-5801	End card-mandatory module, take no module channel
CT-2754	4DO, relay output, 24VDC@2A, channel isolation (inductive load:2A, resistive load:3A)	CT-623F	8DI, PNP or NPN/high or low level active, 24VDC, and 8DO, PNP/high level active, 24VDC@0.5A
CT-2794	4DO, relay output, inductive load:1A@220VAC, resistive load:2A@220VAC, channel isolation	CT-7100	Field Expansion power Supply,24VDC/8A
CT-3134	4 AI 0~5VDC,-5~5VDC,0~10VDC,-10~10VDC16 bits, Single-end，channel isolation	CT-7220	Expansion power Supply(System power input 24VDC,Output 5VDC/2AField power input 24vDc,Output 24VDC/8A)
CT-3168	8 AI 0~5VDC,-5~5VDC,0~10VDC,-10~10VDC16 bits,Single-end	CT-7221	Expansion power Supply(System power input 24VDc,Out-put 5VDC/2A/Fieldpower input 24VDc,Output 24vDc,Output 24VDC/8A)(need slot occupied)
CT-3234	4 AI 0&4-20mA/15 bits		
CT-3238	8 AI 0&4-20mA/15 bits	CT-730F	18 CH filed power distribution module OVDC
CT-3268	8 AI 0~20mA1-20~0mA /+20mA /16 bits,single ended	CT-731F	18 CH filed power distribution module 24VDC
CT-3274	4 AI 0&4~20mA,16 bits, Input Accuracy:full ±0.1@25℃,±0.3@-35~70℃,channel isolation	CT-732F	18 CH filed power distribution module PE
CT-3713	3-channel RTD (Resistance Temperature Detector) input, RTD-PT100	CT-7339	18 CH filed power distribution module 24VDC/0VDC
CT-3723	3-channel RTD (Resistance Temperature Detector) input, RTD-PT1000	CT-7346	18 CH filed power distribution module 24VDC/0VDC PE

"◆" Product, support 2.54mm pitch 20P/34P in-line male connector, you need to choose the connector and wiring, please consult our sales

CE

◆Supports protocol Modbus RTU/ASCII or non-standard protocol to PROFINET

◆Supports 2* RS485/RS232/RS422

◆Supports Modbus RTU/ASCII Master and Slave , free port transmision mode

◆Supports working temperature of -40℃~85℃

◆Supports data area: 2 serial Modbus-RTU/ASCII to PROFINET gateway with Max. input 1440 bytes and Max. output 1440 bytes

◆Supports one key reset

☐ ODOT-PNM02 V2.0 / V2.1: Modbus-RTU/ASCII and non-standard protocol To ProfiNet

☐ ODOT-S4E2: 4*RS485/RS232 or 2*RS422,2*RJ45, Modbus-RTU/ASCII To Modbus-TCP

☐ ODOT-S2E2: 2*RS485,2*RJ45, Modbus-RTU/ASCII To Modbus-TCP

☐ ODOT-DPM01: Modbus-RTU To PROFIBUS-DP

☐ MG-CANEX : CANopen To Modbus-TCP

☐ ODOT-S1E1 V2.0: Serial Gateway

☐ ODOT-S7MPIV2.0: PPI/MPI/PROFIBUS Interface to EtherNet

Protocol Converter

◆All supports IEEE802.3/802.3u/802.3x/802.3z

◆Supports broadcast storm protection

◆Working temperature range: -20℃-70℃

◆5/8/16 ports unmanaged Ethernet Switches

◆10/100/1000 Mbps self-adaption, (Auto-MDI/MDI-X)

◆35mm DIN-Rail

☐ ODOT-MS105T: 5-port 10/100Mbps

☐ ODOT-MS108T: 8-port 10/100Mbps

☐ ODOT-MS116T : 16-port 10/100Mbps

☐ ODOT-MS105G: 5-port 10/100/1000Mbps

☐ ODOT-MS108G: 8-port 10/100/1000Mbps

CE

Industrial Switch

Leading Automation
IO Solution Provider

Official Website   **YouTube**   **LinkedIn**